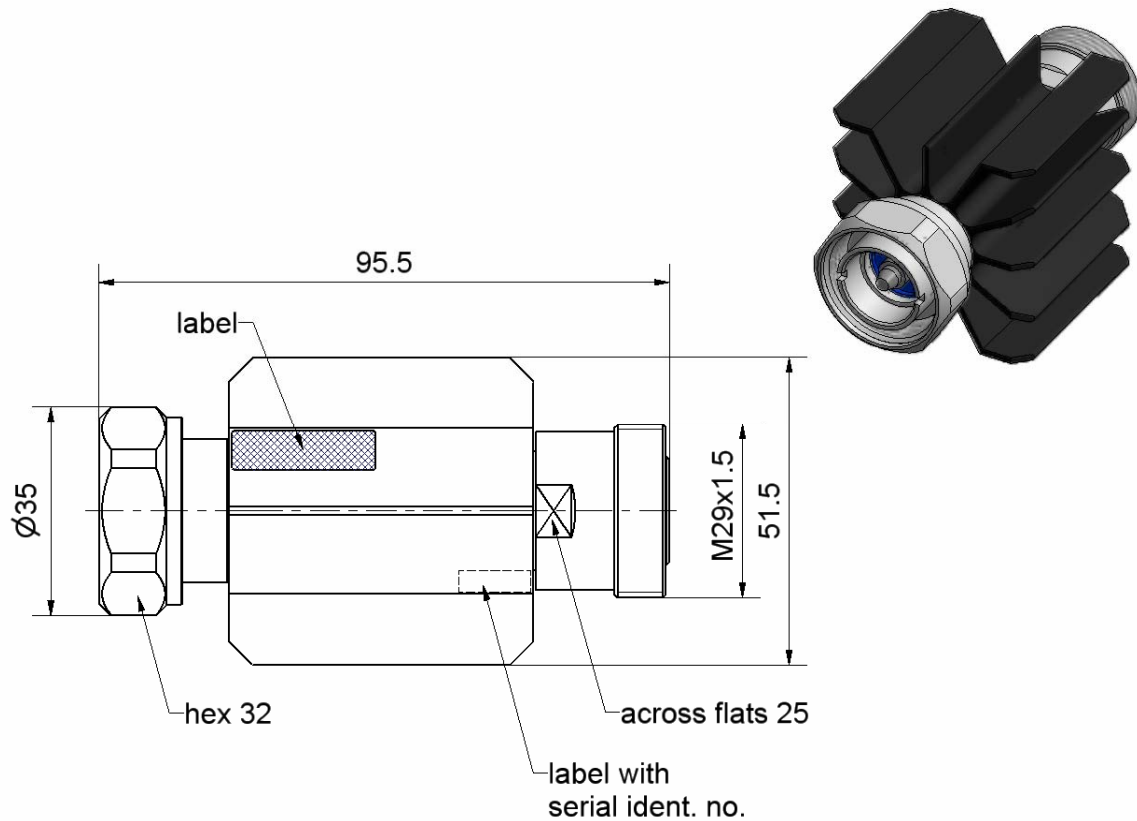


7/16
50Ω

ATTENUATOR PLUG/JACK

60AS120-K30N1

All dimensions are in mm; tolerances according to ISO 2768 m-H

Interface

According to

IEC 60169-4, VG 95250, EN 122190, DIN 47223

Documents

N/A

Material and plating

Connector parts

Center contact - plug
Center contact - jack
Outer contact
Body
Heatsink
Coupling nut
Dielectric
Substrate

Material

Brass
Beryllium copper
Brass
Brass
Al
Brass
PPE
ALN

Plating

Silver, 3-6 µm
Silver, 3-6 µm
Flash white bronze over silver(e.g. Optargen®)
Flash white bronze over silver(e.g. Optargen®)
black anodised
Flash white bronze over silver(e.g. Optargen®)

TECHNICAL DATA SHEET

Rosenberger®

7/16
50Ω

ATTENUATOR PLUG/JACK

60AS120-K30N1

Electrical data

Impedance	50 Ω
Frequency	DC to 8 GHz
Return loss	≥ 30.7 dB, DC to 1 GHz ≥ 26.4 dB, 1 GHz to 2 GHz ≥ 20.0 dB, 2 GHz to 8 GHz
Attenuation	30 dB
Tolerances	≤ ± 0.4 dB, DC to 2 GHz ≤ ± 0.5 dB, 2 GHz to 4 GHz ≤ ± 1.0 dB, 4 GHz to 8 GHz
Center contact resistance	≤ 4.0 mΩ
Outer contact resistance	≤ 1.5 mΩ
Power handling	20 W at 25°C derated linearity to 0 Watts at 125°C

Mechanical data

Mating cycles	min. 500
Coupling nut retention	≥ 1000 N
Center contact captivation	≥ 200 N
Coupling test torque	max. 35 Nm
Recommended torque	25 Nm to 30 Nm

Environmental data

Temperature range	-65°C to +85°C
2002/95/EC (RoHS)	compliant

Tooling

N/A

Suitable cables

N/A

Packing

Standard	1 pce in bag
Weight	270 g/pce

While the information has been carefully compiled to the best of our knowledge, nothing is intended as representation or warranty on our part and no statement herein shall be construed as recommendation to infringe existing patents. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
Kerstin Herzog	29/03/05	Frank Weiß	07/07/08	c00	08-0348	Kerstin Hobrak	08/07/08

Rosenberger Hochfrequenztechnik GmbH & Co. KG
P.O.Box 1260 D-84526 Tittmoning Germany
www.rosenberger.de

Tel.: +49 8684 18-0
Fax: +49 8684 18-499
email: info@rosenberger.de

Page

2 / 2